

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the NATIONAL OFFICE OF VITAL STATISTICS Executive 3-6300, Ext. 4744

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended March 23, 1957

EPIDEMIOLOGICAL REPORTS

Salmonellosis

Since last August there has been an increase in the number of isolations of Salmonella reading from patients living in different parts of the country. In January and February, 1957, the number of such isolations increased materially, and at least 250 have been reported to the Communicable Disease Center, Atlanta, Georgia. All parts of the country except the southeastern States have contributed to this increase. There is no explanation for this increase at the present time.

NOTE.—The Communicable Disease Center requests that information on any isolation of S. reading be made to them promptly through appropriate channels.

Dr. I. J. Tartakow, County Health Officer in New York State,

has reported an outbreak of salmonellosis among a group of 140 persons. Of these, 85 became ill with violent cramps, chills, fever, nausea, vomiting, and diarrhea, from 12 to 24 hours after eating turkey salad. This salad had been mixed by hand by 5 persons, 1 of whom had become ill several hours before. Of stool specimens collected from 21 patients, 14 yielded Salmonella reading. The same organism was found in the woman who helped mix the salad. It is possible that she was a carrier or a case and therefore contaminated the salad.

Influenza

The following information has been received by the Influenza Information Center.

Dr. Henry Bauer, Minnesota Department of Health, has reported an outbreak of influenza in a college located in the southern part of the State. About 100 cases occurred in a student body of 900; but none was reported from the town of 8,000

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Table 1. Cases of Specified Notifiable Diseases: Continental United States

(Numbers after diseases are category numbers of the Sixth Revision of the International Lists, 1948)

DISEASE	12th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Mar. 23, 1957	Ended Mar. 24, 1956	Median 1952-56	First 12 weeks			Since seasonal low week			
				1957	1956	Median 1952-56	1956-57	1955-56	Median 1951-52 to 1955-56	
Anthrax-----062	-	7	2	7	14	9	(1)	(1)	(1)	(1)
Botulism-----049.1	-	-	-	-	-	4	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	27	22	26	188	203	315	(1)	(1)	(1)	(1)
Diphtheria-----055	28	51	37	254	514	514	1,009	1,844	1,844	July 1
Encephalitis, infectious-----062	24	22	22	235	272	260	1,799	1,194	1,194	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	370	481	625	4,616	6,149	7,392	9,815	13,652	---	Sept. 1
Malaria-----110-117	1	5	8	16	34	76	(1)	(1)	(1)	(1)
Measles-----085	19,841	24,444	24,444	165,139	164,329	171,263	202,343	193,427	202,604	Sept. 1
Meningococcal infections-----057	68	71	101	675	903	1,335	1,406	1,826	2,564	Sept. 1
Meningitis, other-----340	29	28	---	394	374	---	---	---	---	---
Poliomyelitis-----080	35	58	69	497	978	1,247	14,830	29,185	35,861	Apr. 1
Paralytic-----080.0,080.1	14	33	---	264	546	---	6,389	10,723	---	Apr. 1
Nonparalytic-----080.2	13	15	---	146	251	---	5,739	11,059	---	Apr. 1
Unspecified-----080.3	8	10	---	87	181	---	2,702	7,403	---	Apr. 1
Psittacosis-----096.2	2	18	9	53	62	52	(1)	(1)	(1)	(1)
Rabies in man-----094	-	-	-	-	3	2	(1)	(1)	(1)	(1)
Typhoid fever-----040	22	29	27	236	292	292	21,683	1,711	2,167	Apr. 1
Typhus fever, endemic-----101	1	1	1	23	17	26	(1)	(1)	(1)	(1)
Rabies in animals-----	109	147	147	1,250	1,412	2,073	2,214	2,439	3,588	Oct. 1

¹Data show no pronounced seasonal change in incidence.

²Includes revised report from Louisiana for week ended January 5.

Symbols.—1 dash [-]: no cases reported; 3 dashes [---]: data not available.

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EPIDEMIOLOGICAL REPORTS—Continued

in which the college is located. Sporadic cases occurred in the college up to February 23 when a sharp increase took place. Symptoms consisted of sore throat, chills, fever up to 107 degrees, generalized aches and pains, headache, and cough. About one-half of the patients had a mild conjunctivitis, and some had nausea, vomiting, and mild diarrhea. Most of them complained of extreme malaise and drowsiness. Leucopenia was present. A throat washing obtained on February 27 yielded an influenza virus related to influenza A-prime FM-1. Paired serum specimens from 2 other students showed a significant rise in antibody titer by the hemagglutination test with influenza A PR-8 and influenza A-prime FM-1.

The World Health Organization, Geneva, reports that an outbreak of influenza began in the western part of Poland early in March. The disease is reported to be mild. Laboratory tests are in progress.

Rabies in animals

The Michigan Veterinary Reporting Service has reported rabies in 3 different animal species. In one instance, a diagnosis of rabies was made in a pet skunk which bit 3 persons before it died. The pet skunk had been obtained from California by mail order. Originally it had been trapped in an area of Texas where rabies had been found among these animals. It had been "descented," held for approximately 2 weeks, and then shipped to California. It arrived in Michigan with a "health certificate." Rabies infection was demonstrated by mouse inoculation. The 3 persons bitten were given antirabies vaccine.

Rabies was demonstrated in a sick cow which had been shipped from Missouri. Negri bodies were found in mice inoculated with a suspension of brain tissue from the cow.

A third instance of animal rabies, previously reported, was the demonstration of this infection in a large brown bat, *Eptesicus fuscus fuscus*. A young boy was bitten by the bat before the animal died.

Cat scratch disease

Dr. R. H. Herren, Iowa State Department of Health, has reported a case of cat scratch disease in a 44-year-old woman. She became ill in December 1956, after a scratch by a cat, but the case was not officially reported until the first week in March. Skin test and serologic reaction were positive for the disease.

Histoplasmosis

Dr. James O. Bond, Florida State Board of Health, has reported a case of histoplasmosis in a 71-year-old man. He has not left a small area of the State where he has resided for the past 40 years. According to the patient, he had recently assisted in demolishing an old house which contained numerous bat roosts. The diagnosis was confirmed by positive skin tests, complement fixation titer of 1:16, and 2 specimens of sputum were positive for Histoplasma capsulatum.

Gastro-enteritis

Dr. H. R. Davidson, a local Health Officer, and the Oregon State Board of Health have reported an outbreak of gastro-enteritis following a firemen's banquet. Of 105 persons who attended, 64 became ill with abdominal cramps, vomiting, diarrhea, prostration, chills, and fever accompanied by headache. A physician who attended the banquet has observed many similar cases in the community. This suggested the possibility that the illness was a virus infection. However, since most of the cases occurred within a 48-hour period after the banquet, it appears to be a more likely source. The involvement of husband and wife with relatively little sickness among children substantiates the conclusion that this outbreak resulted from the banquet. Epidemiological information obtained from the study failed to find the etiology, the vehicle, or the source.

QUARANTINE MEASURES

Immunization Information for International Travel

No changes reported.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MARCH 24, 1956 AND MARCH 23, 1957

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	BRUCELLOSIS (UNDULANT FEVER)		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
	044		12th week		Cumulative first 12 weeks		082		12th week		Cumulative first 12 weeks	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	27	22	28	51	254	514	24	22	370	481	4,616	6,149
NEW ENGLAND-----	1	1	1	1	6	4	1	-	17	30	260	415
Maine-----	-	-	-	-	1	-	-	-	4	3	80	97
New Hampshire-----	-	-	-	-	-	1	-	-	-	1	6	11
Vermont-----	-	-	-	-	-	-	-	-	4	7	49	66
Massachusetts-----	-	1	1	1	5	3	-	-	6	7	73	90
Rhode Island-----	-	-	-	-	-	-	-	-	1	2	22	49
Connecticut-----	1	-	-	-	-	-	1	-	2	10	30	102
MIDDLE ATLANTIC-----	4	-	2	2	13	18	5	5	61	73	617	1,151
New York-----	-	-	2	-	7	7	4	4	38	32	331	645
New Jersey-----	-	-	-	-	4	4	1	-	7	6	98	102
Pennsylvania-----	4	-	-	2	2	7	-	1	16	35	188	404
EAST NORTH CENTRAL-----	6	8	2	14	19	106	3	6	80	84	898	951
Ohio-----	-	-	-	-	4	9	-	2	25	17	245	245
Indiana-----	-	-	1	14	3	58	-	-	15	12	102	130
Illinois-----	6	7	-	-	-	-	-	2	6	32	195	255
Michigan-----	-	1	1	-	11	38	3	2	23	14	259	209
Wisconsin-----	-	-	-	-	1	1	-	-	11	9	97	112
WEST NORTH CENTRAL-----	11	7	1	3	28	57	1	1	22	27	306	568
Minnesota-----	5	-	-	2	18	21	-	-	7	7	101	173
Iowa-----	3	5	-	1	2	13	-	-	10	4	75	137
Missouri-----	-	-	-	-	-	4	-	-	3	3	57	27
North Dakota-----	1	1	1	-	1	-	-	-	-	1	47	51
South Dakota-----	-	-	-	-	4	1	-	-	-	1	12	88
Nebraska-----	-	-	-	-	1	16	1	-	2	8	9	46
Kansas-----	2	1	-	-	2	2	-	1	-	3	5	46
SOUTH ATLANTIC-----	3	-	10	8	80	96	2	1	29	28	328	361
Delaware-----	-	-	-	-	-	-	-	-	-	1	4	8
Maryland-----	-	-	-	-	1	-	-	-	1	3	35	36
District of Columbia-----	-	-	-	-	-	1	-	-	-	-	7	7
Virginia-----	-	-	2	1	2	14	-	-	16	8	128	155
West Virginia-----	-	-	-	1	1	4	-	-	4	-	32	16
North Carolina-----	1	-	1	-	11	16	-	-	3	3	28	38
South Carolina-----	-	-	-	2	15	11	1	1	-	1	10	13
Georgia-----	2	-	-	1	17	20	-	-	3	5	38	39
Florida-----	-	-	7	3	33	30	1	-	2	7	46	49
EAST SOUTH CENTRAL-----	2	-	4	8	37	78	1	1	62	41	703	528
Kentucky-----	2	-	1	-	9	4	1	-	36	8	270	145
Tennessee-----	-	-	-	2	3	16	-	-	18	24	304	260
Alabama-----	-	-	3	3	14	45	-	-	5	2	72	47
Mississippi-----	-	-	-	3	11	13	-	1	3	7	57	76
WEST SOUTH CENTRAL-----	-	3	7	12	57	120	-	-	19	51	293	431
Arkansas-----	-	2	1	1	4	11	-	-	1	8	29	45
Louisiana-----	-	-	-	2	-	12	-	-	2	3	18	20
Oklahoma-----	-	-	1	5	10	38	-	-	-	4	35	25
Texas-----	-	1	5	4	43	59	-	-	16	36	211	341
MOUNTAIN-----	-	1	1	1	9	11	-	-	46	37	418	723
Montana-----	-	-	-	-	2	-	-	-	19	9	49	212
Idaho-----	-	1	-	-	1	-	-	-	-	10	26	88
Wyoming-----	-	-	-	1	1	2	-	-	1	-	10	38
Colorado-----	-	-	-	-	1	2	-	-	3	8	63	146
New Mexico-----	-	-	-	-	3	1	-	-	5	4	134	70
Arizona-----	-	-	1	-	1	5	-	-	15	5	95	145
Utah-----	-	-	-	-	-	1	-	-	3	1	21	23
Nevada-----	-	-	-	-	-	-	-	-	-	-	20	1
PACIFIC-----	-	2	-	2	5	24	11	8	34	110	793	1,021
Washington-----	-	-	-	1	-	2	-	-	6	28	127	227
Oregon-----	-	-	-	1	1	8	-	-	5	31	171	202
California-----	-	2	-	-	4	14	11	8	23	51	495	592
Alaska-----	-	-	-	-	-	-	-	-	2	1	25	20
Hawaii-----	-	-	-	-	-	-	-	-	5	-	12	15
Puerto Rico-----	-	-	1	-	7	15	-	-	-	8	21	64

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MARCH 24, 1956 AND MARCH 23, 1957—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	POLIOMYELITIS 080								MALARIA		MEASLES	
	Total ¹				Paralytic		Nonparalytic					
	12th week		Cumulative first 12 weeks		080.0,080.1		080.2		110-117		085	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	35	58	497	978	14	33	13	15	1	5	19,841	24,444
NEW ENGLAND-----	-	1	4	34	-	-	-	-	-	-	912	202
Maine-----	-	1	1	7	-	-	-	-	-	-	210	23
New Hampshire-----	-	-	-	2	-	-	-	-	-	-	1	-
Vermont-----	-	-	-	6	-	-	-	-	-	-	99	29
Massachusetts-----	-	-	1	17	-	-	-	-	-	-	208	107
Rhode Island-----	-	-	-	2	-	-	-	-	-	-	32	3
Connecticut-----	-	-	2	-	-	-	-	-	-	-	362	40
MIDDLE ATLANTIC-----	-	3	18	67	-	-	-	2	-	-	2,944	3,263
New York-----	-	2	12	49	-	-	-	2	-	-	1,113	1,017
New Jersey-----	-	-	2	5	-	-	-	-	-	-	1,118	414
Pennsylvania-----	-	1	4	13	-	-	-	-	-	-	713	1,832
EAST NORTH CENTRAL-----	4	1	56	70	-	1	3	-	-	-	3,482	8,292
Ohio-----	-	-	10	16	-	-	-	-	-	-	341	2,434
Indiana-----	3	-	14	7	-	-	2	-	-	-	448	631
Illinois-----	-	1	7	10	-	1	-	-	-	-	397	2,471
Michigan-----	-	-	18	24	-	-	-	-	-	-	878	1,794
Wisconsin-----	1	-	7	13	-	-	1	-	-	-	1,418	962
WEST NORTH CENTRAL-----	5	3	48	49	-	2	-	1	-	-	1,187	916
Minnesota-----	-	2	2	7	-	1	-	1	-	-	471	10
Iowa-----	-	-	3	11	-	-	-	-	-	-	193	127
Missouri-----	2	-	14	13	-	-	-	-	-	-	326	254
North Dakota-----	-	-	-	2	-	-	-	-	-	-	149	61
South Dakota-----	-	-	2	8	-	-	-	-	-	-	36	19
Nebraska-----	2	1	17	2	-	1	-	-	-	-	9	156
Kansas-----	1	-	10	6	-	-	-	-	-	-	3	289
SOUTH ATLANTIC-----	3	6	80	81	1	3	2	3	-	2	976	3,176
Delaware-----	1	-	1	1	-	-	1	-	-	-	3	17
Maryland-----	-	-	-	4	-	-	-	-	-	-	31	527
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	14	120
Virginia-----	-	1	5	3	-	-	-	1	-	-	271	1,147
West Virginia-----	-	-	4	2	-	-	-	-	-	-	81	393
North Carolina-----	-	-	10	23	-	-	-	-	-	-	54	252
South Carolina-----	2	-	22	7	1	-	1	-	-	1	140	438
Georgia-----	-	2	11	11	-	2	-	-	-	-	153	157
Florida-----	-	3	27	30	-	1	-	2	-	1	229	125
EAST SOUTH CENTRAL-----	2	2	31	39	1	1	-	-	-	-	1,899	1,207
Kentucky-----	-	-	2	12	-	-	-	-	-	-	801	412
Tennessee-----	-	1	8	7	-	1	-	-	-	-	601	517
Alabama-----	1	-	7	1	-	-	-	-	-	-	384	206
Mississippi-----	1	1	14	19	1	-	-	-	-	-	113	72
WEST SOUTH CENTRAL-----	9	17	113	201	6	8	3	4	1	2	2,551	3,938
Arkansas-----	-	-	6	9	-	-	-	-	-	-	164	271
Louisiana-----	2	1	20	28	-	-	2	1	-	-	182	68
Oklahoma-----	1	1	7	9	1	1	-	-	1	-	65	621
Texas-----	6	15	80	155	5	7	1	3	-	2	2,140	2,978
MOUNTAIN-----	4	4	40	57	-	2	3	-	-	-	2,367	1,899
Montana-----	-	-	2	4	-	-	-	-	-	-	71	519
Idaho-----	-	2	1	7	-	-	-	-	-	-	111	26
Wyoming-----	-	-	1	2	-	-	-	-	-	-	-	57
Colorado-----	-	1	6	6	-	1	-	-	-	-	136	781
New Mexico-----	-	-	3	2	-	-	-	-	-	-	267	72
Arizona-----	3	1	12	27	-	1	3	-	-	-	323	427
Utah-----	1	-	13	3	-	-	-	-	-	-	1,104	17
Nevada-----	-	-	2	6	-	-	-	-	-	-	355	-
PACIFIC-----	8	21	107	380	6	16	2	5	-	1	3,523	1,551
Washington-----	-	-	2	19	-	-	-	-	-	-	662	512
Oregon-----	2	2	12	27	2	2	-	-	-	-	488	54
California-----	6	19	93	334	4	14	2	5	-	1	2,373	985
Alaska-----	-	-	1	1	-	-	-	-	-	-	1	50
Hawaii-----	-	2	2	41	-	1	-	1	-	-	190	14
Puerto Rico-----	-	-	4	5	-	-	-	-	-	-	82	22

¹Includes cases not specified by type, category number 080.3.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MARCH 24, 1956 AND MARCH 23, 1957—Continued

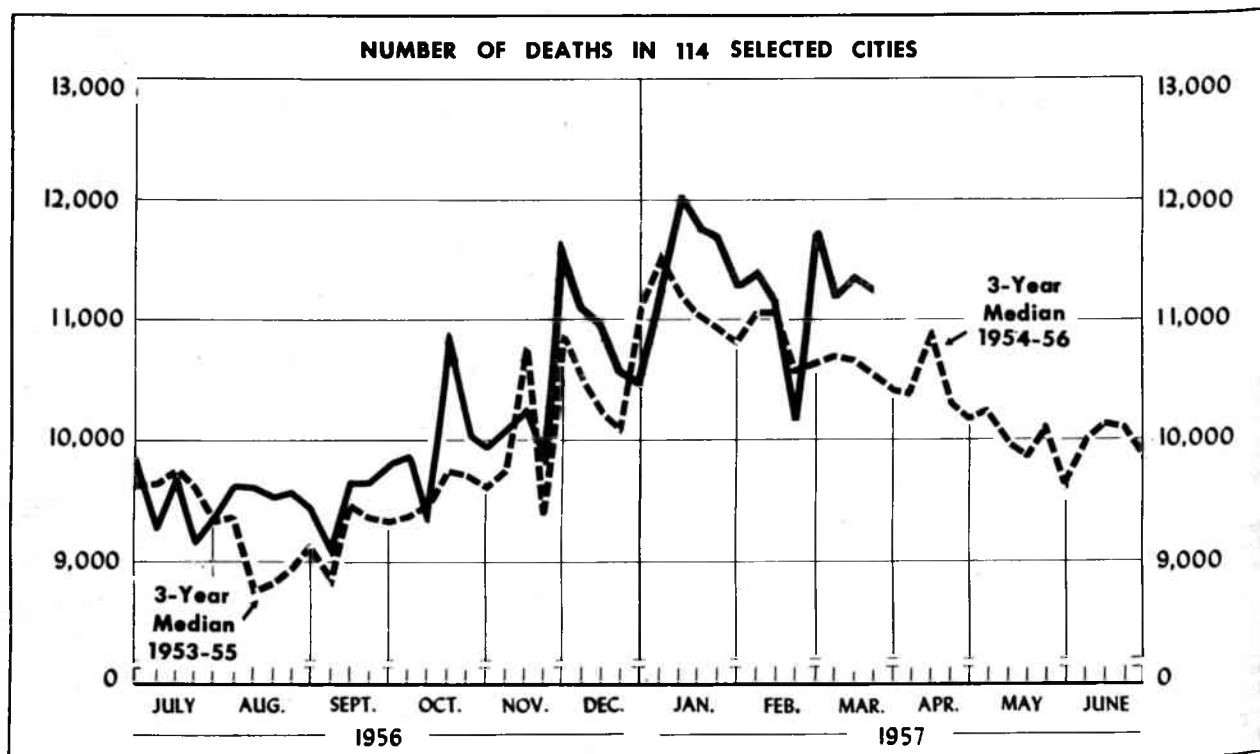
(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	057			340	096.2		12th week		Cumulative first 12 weeks		101	1957
	1957	1956		1957	1957	1956	1957	1956	1957	1956	1957	
CONT. UNITED STATES-----	68	71	29	2	18	22	29	236	292	1	109	147
NEW ENGLAND-----	4	3	3	-	3	1	2	10	12	-	-	-
Maine-----	1	-	-	-	-	-	2	1	5	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	1	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	2	2	1	-	3	-	-	2	2	-	-	-
Rhode Island-----	-	1	2	-	-	1	-	4	1	-	-	-
Connecticut-----	1	-	-	-	-	-	-	2	4	-	-	-
MIDDLE ATLANTIC-----	9	13	-	1	2	3	2	27	43	-	3	13
New York-----	5	5	-	1	-	2	-	10	15	-	3	7
New Jersey-----	1	2	-	-	-	-	1	8	3	-	-	-
Pennsylvania-----	3	6	-	-	2	1	1	9	25	-	-	6
EAST NORTH CENTRAL-----	12	10	10	-	3	-	5	27	37	-	14	17
Ohio-----	1	5	-	-	1	-	1	13	10	-	13	9
Indiana-----	2	1	2	-	-	-	-	6	4	-	-	8
Illinois-----	3	2	8	-	2	-	-	2	5	-	1	-
Michigan-----	6	2	-	-	-	-	1	5	7	-	-	-
Wisconsin-----	-	-	-	-	-	-	3	1	11	-	-	-
WEST NORTH CENTRAL-----	3	5	1	-	4	2	2	22	48	-	24	16
Minnesota-----	-	2	-	-	2	-	1	2	23	-	4	1
Iowa-----	-	-	-	-	2	-	-	5	7	-	14	9
Missouri-----	-	2	1	-	-	2	1	10	8	-	5	5
North Dakota-----	1	-	-	-	-	-	-	-	4	-	-	-
South Dakota-----	1	-	-	-	-	-	-	3	2	-	-	-
Nebraska-----	1	-	-	-	-	-	-	-	4	-	1	1
Kansas-----	1	1	-	-	-	-	-	2	-	-	-	-
SOUTH ATLANTIC-----	12	14	7	-	2	7	5	54	44	1	18	40
Delaware-----	-	-	-	-	-	-	-	-	1	-	-	-
Maryland-----	-	1	-	-	-	-	-	1	2	-	-	-
District of Columbia-----	1	2	1	-	-	1	-	3	2	-	-	-
Virginia-----	2	3	2	-	1	3	1	12	2	-	9	17
West Virginia-----	-	1	-	-	-	2	-	9	6	-	1	5
North Carolina-----	2	1	-	-	1	-	2	8	10	-	2	3
South Carolina-----	1	-	2	-	-	-	1	2	7	-	1	12
Georgia-----	3	2	2	-	-	1	1	5	6	1	1	3
Florida-----	3	4	-	-	-	-	-	14	8	-	4	-
EAST SOUTH CENTRAL-----	12	7	4	-	-	1	5	36	32	-	8	23
Kentucky-----	2	1	-	-	-	1	-	9	6	-	3	10
Tennessee-----	3	1	4	-	-	-	5	16	18	-	-	3
Alabama-----	7	2	-	-	-	-	-	2	1	-	4	10
Mississippi-----	-	3	-	-	-	-	-	9	7	-	1	-
WEST SOUTH CENTRAL-----	4	5	-	-	-	6	3	36	43	-	28	25
Arkansas-----	-	1	-	-	-	1	1	7	8	-	6	3
Louisiana-----	2	1	-	-	-	1	-	27	7	-	10	1
Oklahoma-----	-	-	-	-	-	1	-	6	7	-	-	1
Texas-----	2	3	-	-	-	3	2	16	21	-	12	20
MOUNTAIN-----	7	1	1	-	-	-	1	11	8	-	10	1
Montana-----	-	-	-	-	-	-	-	1	-	-	-	-
Idaho-----	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	1	-	-	-	-
Colorado-----	-	1	-	-	-	-	1	2	3	-	-	-
New Mexico-----	-	-	-	-	-	-	-	6	4	-	-	1
Arizona-----	7	-	1	-	-	-	-	1	1	-	1	-
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	5	13	3	1	4	2	4	13	25	-	4	12
Washington-----	-	-	2	-	-	-	-	-	-	-	-	-
Oregon-----	1	-	1	-	2	-	-	1	3	-	-	-
California-----	4	13	-	1	2	2	4	12	22	-	4	12
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	1	-	-	-	-
Puerto Rico-----	-	-	1	-	-	1	1	9	13	-	-	-

*Includes revised report for week ended January 5.

Symbol.—1 dash[-]: no cases reported.

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The chart shows the number of deaths reported for 114 major cities of the United States by week for the current year, and, for comparison, the median of the number of deaths reported for the corresponding weeks of the 3 previous calendar years. (The median is the central one of the three values arranged in order of magnitude.) If a report is not received from a city in time to be included in the total for the current week, an estimate is made to maintain comparability for graphic presentation.

The figures reported represent the number of death certificates received in the vital statistics offices during the week indicated for deaths occurring in that city. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the

interval between death and receipt of the certificate.

While week-to-week changes in the total number of deaths reported for all major cities generally represent a change in mortality conditions, this may not be true for variations in weekly figures for each city. For example, in a city with a weekly average of 50 deaths, the number of deaths occurring in a week may be expected to vary by chance alone from 36 to 64 ($d \pm 2\sqrt{d}$, where d represents the average number of deaths per week).

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of their populations, and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence, and week of filing certificate. Excludes fetal deaths)

AREA	12th week ended Mar. 23, 1957	11th week ended Mar. 16, 1957	12th week median 1954-56	Percent change, median to current week	CUMULATIVE NUMBER FIRST 12 WEEKS		
					1957	1956	Percent change
TOTAL: 112 REPORTING CITIES-----	11,153	11,231	10,408	+7.2	134,868	131,720	+2.4
New England----- (14 cities)	695	771	736	-5.6	9,132	8,656	+5.5
Middle Atlantic----- (20 cities)	3,247	3,298	3,263	-0.5	39,575	39,023	+1.4
East North Central----- (18 cities)	2,394	2,225	2,154	+11.1	27,918	27,760	+0.6
West North Central----- (9 cities)	807	761	742	+8.8	9,541	9,404	+1.5
South Atlantic----- (11 cities)	955	953	856	+11.6	11,559	11,277	+2.5
East South Central----- (8 cities)	498	556	454	+9.7	6,015	6,053	-0.6
West South Central----- (12 cities)	916	970	769	+19.1	11,037	10,095	+9.3
Mountain----- (8 cities)	270	295	237	+13.9	3,340	3,093	+8.0
Pacific----- (12 cities)	1,371	1,402	1,326	+3.4	16,751	16,359	+2.4

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Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence, and week of filing certificate. Excludes fetal deaths)

AREA	12th week ended Mar. 23, 1957	11th week ended Mar. 16, 1957	CUMULATIVE NUMBER FIRST 12 WEEKS		AREA	12th week ended Mar. 23, 1957	11th week ended Mar. 16, 1957	CUMULATIVE NUMBER FIRST 12 WEEKS	
			1957	1956				1957	1956
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston, Mass.-----	253	248	3,111	3,015	St. Louis, Mo.-----	238	237	2,977	3,124
Bridgeport, Conn.-----	50	35	484	431	St. Paul, Minn.-----	64	63	813	812
Cambridge, Mass.-----	23	35	390	390	Wichita, Kans.-----	72	44	561	488
Fall River, Mass.-----	28	24	337	339	SOUTH ATLANTIC				
Hartford, Conn.-----	48	49	652	570	Atlanta, Ga.-----	118	120	1,418	1,409
Lovell, Mass.-----	29	34	339	305	Baltimore, Md.-----	261	241	3,005	2,959
Lynn, Mass.-----	18	23	280	247	Charlotte, N. C.-----	39	49	448	402
New Bedford, Mass.-----	28	23	350	301	Jacksonville, Fla.-----	66	68	701	670
New Haven, Conn.-----	39	52	592	632	Miami, Fla.-----	48	42	625	673
Providence, R. I.-----	53	72	798	764	Norfolk, Va.-----	38	34	455	418
Somerville, Mass.-----	9	16	171	189	Richmond, Va.-----	83	79	937	874
Springfield, Mass.-----	40	59	559	531	Savannah, Ga.-----	25	26	377	343
Waterbury, Conn.-----	26	36	322	319	Tampa, Fla.-----	61	82	814	749
Worcester, Mass.-----	51	65	747	623	Washington, D. C.-----	182	187	2,320	2,350
MIDDLE ATLANTIC					Wilmingon, Del.-----	34	25	459	430
Albany, N. Y.-----	60	58	644	629	EAST SOUTH CENTRAL				
Allentown, Pa.-----	37	43	469	457	Birmingham, Ala.-----	69	90	946	988
Buffalo, N. Y.-----	174	164	1,869	1,784	Chattanooga, Tenn.-----	53	44	593	521
Camden, N. J.-----	35	49	502	478	Knoxville, Tenn.-----	34	39	377	491
Elizabeth, N. J.-----	41	36	350	347	Louisville, Ky.-----	110	118	1,345	1,358
Erie, Pa.-----	30	37	434	431	Memphis, Tenn.-----	115	124	1,285	1,262
Jersey City, N. J.-----	71	94	900	920	Mobile, Ala.-----	39	44	413	408
Newark, N. J.-----	126	100	1,352	1,209	Montgomery, Ala.-----	14	27	291	346
New York City, N. Y.-----	1,547	1,572	19,992	19,497	Nashville, Tenn.-----	64	70	765	679
Paterson, N. J.-----	40	38	482	451	WEST SOUTH CENTRAL				
Philadelphia, Pa.-----	566	559	5,955	6,122	Austin, Tex.-----	(35)	---	---	(384)
Pittsburgh, Pa.-----	185	185	2,265	2,402	Baton Rouge, La.-----	34	22	337	273
Reading, Pa.-----	18	26	300	265	Corpus Christi, Tex.-----	21	25	237	241
Rochester, N. Y.-----	97	89	1,199	1,221	Dallas, Tex.-----	117	139	1,395	1,266
Schenectady, N. Y.-----	23	22	275	289	El Paso, Tex.-----	24	44	364	350
Scranton, Pa.-----	36	49	486	409	Fort Worth, Tex.-----	52	61	754	720
Syracuse, N. Y.-----	55	60	717	760	Houston, Tex.-----	156	140	1,865	1,614
Trenton, N. J.-----	37	57	602	566	Little Rock, Ark.-----	69	66	708	588
Utica, N. Y.-----	42	31	393	391	New Orleans, La.-----	177	191	2,167	2,090
Yonkers, N. Y.-----	27	29	389	395	Oklahoma City, Okla.-----	66	81	780	783
EAST NORTH CENTRAL					San Antonio, Tex.-----	93	114	1,202	1,073
Akron, Ohio-----	62	51	664	649	Shreveport, La.-----	45	41	595	554
Canton, Ohio-----	39	30	389	328	Tulsa, Okla.-----	62	46	633	543
Chicago, Ill.-----	768	734	9,344	9,419	MOUNTAIN				
Cincinnati, Ohio-----	187	137	1,972	1,989	Albuquerque, N. Mex.-----	18	28	304	285
Cleveland, Ohio-----	220	215	2,628	2,548	Colorado Springs, Colo.-----	19	19	172	178
Columbus, Ohio-----	121	125	1,376	1,371	Denver, Colo.-----	108	114	1,396	1,356
Dayton, Ohio-----	82	63	923	826	Ogden, Utah-----	11	17	156	147
Detroit, Mich.-----	358	352	4,062	4,052	Phoenix, Ariz.-----	23	29	377	342
Evansville, Ind.-----	29	31	366	445	Pueblo, Colo.-----	13	16	162	155
Flint, Mich.-----	37	48	463	472	Salt Lake City, Utah-----	57	45	522	561
Fort Wayne, Ind.-----	37	31	436	448	Tucson, Ariz.-----	21	27	251	69
Gary, Ind.-----	33	21	363	346	PACIFIC				
Grand Rapids, Mich.-----	45	36	491	521	Berkeley, Calif.-----	20	20	246	245
Indianapolis, Ind.-----	120	115	1,479	1,476	Long Beach, Calif.-----	47	75	703	660
Milwaukee, Wis.-----	130	115	1,582	1,539	Los Angeles, Calif.-----	467	531	6,094	6,144
Peoria, Ill.-----	31	35	355	340	Oakland, Calif.-----	110	70	1,216	1,146
South Bend, Ind.-----	31	31	308	304	Pasadena, Calif.-----	35	31	469	464
Toledo, Ohio-----	---	(92)	---	(1,216)	Portland, Oreg.-----	113	106	1,212	1,211
Youngstown, Ohio-----	64	55	717	687	Sacramento, Calif.-----	54	58	655	604
WEST NORTH CENTRAL					San Diego, Calif.-----	92	74	1,022	893
Des Moines, Iowa-----	58	59	659	645	San Francisco, Calif.-----	206	207	2,446	2,482
Duluth, Minn.-----	22	15	321	292	Seattle, Wash.-----	140	140	1,636	1,523
Kansas City, Kans.-----	34	33	387	370	Spokane, Wash.-----	44	45	560	554
Kansas City, Mo.-----	128	120	1,428	1,328	Tacoma, Wash.-----	43	45	492	433
Minneapolis, Minn.-----	114	113	1,526	1,534	Honolulu, Hawaii-----	(48)	(41)	(510)	(428)
Omaha, Nebr.-----	77	77	869	811					

Symbols.—parentheses [()] : data not included in table 3; 3 dashes [---] : data not available.

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SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and of Alaska, Hawaii, and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting on these diseases. In addition, when diseases of rare occurrence (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted at the end of table 1.

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